

Depositing Fluid Specimens on
Substrates, Resulting Ordered Arrays,
Techniques for Analysis of Deposited Arrays
Abstract of the Disclosure

5 Fluid is deposited in spots using supported,
compliant pin arrangements, supplied by a local reservoir.
Pin arrangements in the form of reciprocating and rotating
devices are shown. Supply of the pins by mobile local
subreservoirs limit the range of travel between drop-pickup
10 and drop deposit. Local reservoirs in the form of circular
rings and large pins are disclosed. Compliance is achieved
by using spring and flexure arrangements. Some embodiments
employ planer flexures to mount the pin and constrict its
movement. Such deposit techniques are shown used in many
15 analytical, reactive, and productive conditions.
Combination of the use of the versatile, high density array
or with a flying mini objective, wide field scanning
microscope is disclosed. Combination with other sub systems
adds to the versatility of the system.

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